VTPL/LAB/2022-23/HHL/CA-01 **Date: 01.11.2022**

1. TESTING OF COARSE AGGREGATES(40mm):

Sub: Testing of Coarse aggregate 40mm.
Name of Work: Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02

Work order no : EE(Project)/Ynk Zone/WO/023/2022-23
Name of the contractor : Sri K Gopireddy
Technical Reference : IS: 2386(Part-1), IS: 2386(Part-4) and IS: 383-1970
Issued To : Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92

TABLE- 1.1: SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Requirement as per IS 383-1970(reaffirmed on 2007) %	
	40mm Sample	Single size	Graded
40mm	97.40	85-100	95-100
20mm	66.92	0-20	30-70
10mm	28.46	0-5	10-35
4.75	Nil	-----	0-5

TABLE- 1.2 :

Sl. No	Test Conducted	Sample	Results	Requirement as per IS :383-1970 &test Conforms to IS 2386
1.	Flakiness Index	As above	11.04%	Not to exceed 25%
2.	Crushing Value	,,	20.22%	Not to exceed 45% for concrete other than for wearing surfaces and 30% for wearing surfaces.

The Results relate only to the Items tested.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

VTPL/LAB/2022-23/HHL/CA-02 **Date: 01.11.2022**

1. TESTING OF COARSE AGGREGATES (20mm):

Sub: Testing of Coarse aggregate 20mm.
Name of Work: Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02

Work order no : EE(Project)/Ynk Zone/WO/023/2022-23
Name of the contractor : Sri K Gopireddy
Technical Reference : IS: 2386(Part-1), IS: 2386(Part-4) and IS: 383-1970
Issued To : Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92

TABLE- 1.1 : SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Requirement as per IS 383-1970(reaffirmed on 2007) %	
	20mm Sample	Single size	Graded
40mm	100.00	100.00	100.00
20mm	98.68	85-100	95-100
12.5mm	48.21	0-20	25-55
4.75	Nil	0-5	0-10

TABLE- 1.2:

Sl. No	Test Conducted	Sample	Results	Requirement as per IS :383-1970 &test Conforms to IS 2386
1.	Flakiness Index	As above	14.31%	Not to exceed 25%
2.	Crushing Value	,,	22.88%	Not to exceed 45% for concrete other than for wearing surfaces and 30% for wearing surfaces.

The Results relate only to the Items tested.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Page No.1/1

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

VTPL/LAB/2022-23/HHL/MS-01 **Date: 01.11.2022**

1. TESTING OF FINE AGGREGATE (M.SAND):

Sub: Testing of M.Sand.
Name of Work: Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02

Work order no : EE(Project)/Ynk Zone/WO/023/2022-23
Name of the contractor : Sri K Gopireddy
Technical Reference : IS: 2386 (Part-1), IS: 2386(Part-3)& IS 383-1970 (Reaffirmed on 2007)
Issued To : Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92

TABLE: 1.1 SIEVE ANALYSIS:

IS SIEVE Size, mm	Percentage passing	Specification as per IS : 383-1970 (RA 2007) Percentage Passing				Remarks
		Zone -I	Zone-II	Zone-III	Zone-IV	
10.00	100.00	100	100	100	100	
4.75	96.22	90-100	90-100	90-100	95-100	
2.36	89.32	60-95	75-100	85-100	95-100	The sample Conforms to Grading Zone -II
1.18	77.64	30-70	55-90	75-100	90-100	
600 µ	46.22	15-34	35-59	60-79	80-100	
300 µ	27.16	5-20	8-30	12-40	15-50	
150 µ	11.30	0-20	0-20	0-20	0-15	

TABLE 1.2:

Sl. No.	Test Conducted	Sample	Results	Requirement as per IS. Specification IS: 383-1970 (Reaffirmed 2007)
1	Specific Gravity	1	2.60	----------

The Results relate only to the Items tested.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru – 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 – 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

VTPL/LAB/2022-23/HHL/C-01 **Date: 01.11.2022**

1. TEST REPORT ON CEMENT:

Sub: Testing 53 Grade Cement Sample (IS 8112-1989)
Name of Work: Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02

Work order no : EE(Project)/Ynk Zone/WO/023/2022-23
Name of the contractor : Sri K Gopireddy
Technical Reference : IS 4031(Part 1), IS 4031 (Part 4), IS 4031(Part 3) IS 4031 (Part 5) & IS 4031 (Part 6)
Issued To : Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92

PHYSICAL TESTES ON CEMENT

Brand : Ultra Tech
Grade* : 53
Type* :O.P.C

TABLE

SL.NO	Name of Test	Test Results	Requirement as per IS 269-2015
1	Initial setting time	115 min	Shall not be less than 30 min
2	Final Setting time	280 min	Shall not more than 600 min
3	Fineness – By Dry Sieving	5.15 %	The percentage residue should not exceed 10%
4	Consistency of Standard Cement Paste	30%	Not Specified
5	Soundness Test (by Le-Chatelier's method)	1.2 mm	Shall not be more than 10 mm
6	Compressive Strength a. 3 days (average of three results) b. 7days (average of three results)	27.16 N/Sq mm 45.36/ N/Sq mm	Shall not be less than 23 N/ Sqmm. Shall not be less than 33 N/Sqmm.

The Results relate only to the Items tested.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

Asst. Executive Engineer
Project Division
Yelahanka Zone

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

VTPL/LAB/2022-23/HHL/RS-01 **Date: 01.11.2022**

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 8mm, 10mm & 16mm
Name of Work: Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02

Work order no : EE(Project)/Ynk Zone/WO/023/2022-23
Name of contractor : Sri K Gopireddy
Technical Reference : IS: 1786-2008
Issued To : Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92

PHYSICAL TEST

TABLE-1

SL. NO	Details	For 8mm		For 10mm		For 16mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	8.0mm	8.0mm	10.0mm	10.0mm	16.0mm	16.0mm
02	Observed Wt/m Length Kg/m	0.397	0.363	0.624	0.567	1.586	1.483
03	Proof stress/Yield stress, fy, N/mm2	553.0	500.0	566.0	500.0	561.0	500.0
04	Bend/ Re bend Test	Ok	---	OK	---	Ok	---
05	Percentage of Elongation %	22.30	12.00	19.50	12.00	20.60	12.00
06	Ultimate Tensile Strength N/mm2	621.0	545.0	632.0	545.00	635.0	545.0

The Results relate only to the Items tested

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

AE

Asst. Executive Engineer
Project Division

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru – 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 – 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date:01.11.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF PAVER BLOCKS

Sample Number	HHL-01		**Report Number:**	VTPL/LAB/2022-23/HHL-01	
Client Name & Address:	Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92		**Sample condition as received:**	Good	
Name of Work:	Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02				
Date of Sample Received:	28.10.2022	**Date of sample taken for Testing:**	28.10.2022	**Date of test Completion :**	01.11.2022
Sample Quantity:	03 No's	**Name of Contractor:**	Sri K Gopireddy	**Work order no :**	EE(Project)/Ynk Zone/WO/023/2022-23

Technical Reference: IS 15658: 2006

Sl. No	Weight (Kg)	Cross Sectional Area (mm^2)	Failure Load (K N)	Compressive Strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	4.060	28063	1080	38.48	35.72
2	4.075	28063	1000	35.63	
3	4.000	28063	928	33.07	

*The Results relate only to the Items tested.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

VTPL/LAB/2022-23/HHLL/ GSB-01 **Date: 01.11.2022**

AGGREGATE GRADATION TEST

Name of Work : Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02
Client Name & Address: Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92
Work order no : EE(Project)/Ynk Zone/WO/023/2022-23
Location : For Cycle Track and Cause Way Pipe Culvert

Table 1 : Sieve analysis and proportioning of aggregate mixture for GSB

Is Sieve Size in mm	Weight Retained (gm)	% of Weight Retained (gm)	Cumulative % of Retained	% of Passing	JOBMIX Gradation as per MoRT&H
53.0	0	0	0	100	100
26.5	2105	42.10	42.10	57.90	55-75
4.75	2225	44.50	86.60	13.40	10-30
0.075	650	13.00	99.60	0.40	<5

Table 2 : Properties of GSB Mix

Sl.No.	Description	Results
1	MDD	2.10 g/cc
	OMC	6.80%
2	Impact Value	22.86%
3	Specific Gravity & Water Absorption	2.64 & 0.68%
4	Plastic Index	Non - Plastic

*The Results relate only to the Items tested.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore - 92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 01.11.2022

TEST REPORT ON CC KERB STONE(CORE)

Sample Number	VTPL/HHL/K-01	**Report Number:**	**VTPL/2022-23/HHL/K/R-01**
Client Name & Address:	Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92	**Sample condition as received:**	Good
		Source of Sample:	Sample supplied by the customer
Name of Work:	Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02		
Letter Reference:	Letter Dated: 28.10.2022	**Sample Type:**	CC Kerb stone
Date of Receipt:	28.10.2022	**Date of Test:**	29.10.2022
Customer provide details:	Kerb Stone Grade : M20	**Environmental Conditions :**	Temperature : 27°C Humidity : 62%

Technical Reference: IS:516-1959 (Reaffirmed 2008)

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg /m3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)
1	67	131	1.245	2716.35	1.94	0.980	76.56	21.72
2	67	131	1.350	2922.96	1.96	0.980	79.23	22.47
3	67	131	1.345	2912.13	1.96	0.980	74.55	21.15

1.The Report shall not be reproduced, except in full, without the written approval of the laboratory.
2.The results indicated above are based on the test carried out on the samples received in the laboratory.
3.Any query regarding the report must be reported immediately.
4. Samples are retained for 30 days from the date of report.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore-92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 01.11.2022

TEST REPORT ON CC KERB STONE(CORE)

Sample Number	VTPL/HHL/K-02	**Report Number:**	**VTPL/2022-23/HHL/K/R-02**
Client Name & Address:	Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92	**Sample condition as received:**	Good
		Source of Sample:	Sample supplied by the customer
Name of Work:	Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02		
Letter Reference:	Letter Dated: 28.10.2022	**Sample Type:**	CC Kerb stone
Date of Receipt:	28.10.2022	**Date of Test:**	29.10.2022
Customer provide details:	Kerb Stone Grade : M20	**Environmental Conditions :**	Temperature : 27°C Humidity : 62%

Technical Reference: IS:516-1959 (Reaffirmed 2008)

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg /m3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)
1	67	131	1.220	2641.49	1.96	0.980	75.63	21.45
2	67	130	1.330	2836.35	1.94	0.960	77.56	22.00
3	67	129	1.320	2902.32	1.96	0.980	75.89	21.33

1.The Report shall not be reproduced, except in full, without the written approval of the laboratory.
2.The results indicated above are based on the test carried out on the samples received in the laboratory.
3.Any query regarding the report must be reported immediately.
4. Samples are retained for 30 days from the date of report.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore-92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 01.11.2022

TEST REPORT ON CC KERB STONE(CORE)

Sample Number	VTPL/HHL/K-03	**Report Number:**	**VTPL/2022-23/HHL/K/R-03**
Client Name & Address:	Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92	**Sample condition as received:**	Good
		Source of Sample:	Sample supplied by the customer
Name of Work:	Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02		
Letter Reference:	Letter Dated: 28.10.2022	**Sample Type:**	CC Kerb stone
Date of Receipt:	28.10.2022	**Date of Test:**	29.10.2022
Customer provide details:	Kerb Stone Grade : M20	**Environmental Conditions :**	Temperature : 27°C Humidity : 62%

Technical Reference: IS:516-1959 (Reaffirmed 2008)

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg /m3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)
1	67	132	1.330	2857.84	1.97	0.980	76.33	21.65
2	67	131	1.310	2836.35	1.96	0.980	74.66	21.18
3	67	128	1.290	2858.51	1.91	0.980	79.55	22.56

1.The Report shall not be reproduced, except in full, without the written approval of the laboratory.
2.The results indicated above are based on the test carried out on the samples received in the laboratory.
3.Any query regarding the report must be reported immediately.
4. Samples are retained for 30 days from the date of report.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BENGALURU-560 092

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com Earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 02.11.2022

TEST REPORT ON SOIL

Sample Number	HHL/S-01	**Report No:**	VTPL/HHL/2022-23/S-01
Client Name& Address:	Office of the Executive Engineer, Project Division, Yelahanaka Zone, NH-7 Road, Bangalore-92	**Work Order No:**	EE(Project)/Ynk Zone/WO/023/2022-23
Name of Project:	Comprehensive Development of Harohalli Lake in Chowdeshwari WardNo.02		
Project Location:	Haro Halli lake	**Sample Quantity:**	50 Kg

Date of Sample Received:	26.10.2022	**Date of sample taken for Testing:**	26.10.2022	**Date of test Completion :**	01.11.2022

Technical Reference: IS 2720 Part 4: 1985 RA 2015

Sl. No	Grain Size Distribution (%)				
	Gravel	Coarse Sand	Medium Sand	Fine Sand	Silt & Clay
1	10.23	14.23	25.22	11.56	38.76

Sl. No	Test Parameters		Results	Technical Reference
1	Atterberg Limits	Liquid Limit (%)	33.00	IS270 Part 5:1985 RA 2015
		Plastic Limit (%)	21.80	
		Plasticity Index (%)	11.20	
2	Heavy Compaction	OMC (%)	9.20	IS270 Part 8:1985 RA 2015
		MDD (g/cc)	1.82	
3	Free swell Index (%)		10.00	IS 2720 Part40: 1977 RA 2016

MDD- Maximum Dry Density, OMC-Optimum Moisture Content

*The Results relate only to the Items tested.

****End of report****

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

For Vimos Technocrats Pvt Ltd

S. Md. Sajid Ali
Quality Manager

Asst. Executive Engineer
Project Division
BBMP, Bangalore-92

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 05.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-01 to HL 05	**Report No:**	VTPL/LAB/2022-23/FDD/HL-01
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92,	**Test conducted by:**	Site Engineer
		Date of testing:	04.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
1	Cycle Track CH 0 TO 30	0.2	12.58	1.98	1.76	97.19
2	Cycle Track CH 30 TO 60	0.2	13.41	1.97	1.74	96.00
3	Cycle Track CH 60 TO 90	0.2	13.57	1.98	1.75	96.44
4	Cycle Track CH 90 TO 120	0.2	13.47	1.99	1.75	96.95
5	Cycle Track CH 120 TO 150	0.2	12.28	1.97	1.75	96.82

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP/Bangalore

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru-560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date:08.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-06 to HL-10	**Report No:**	VTPL/LAB/2022-23/FDD/HL-02
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	07.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
6	Cycle Track CH 150 TO 180	0.2	13.23	1.96	1.73	95.68
7	Cycle Track CH 180 TO 210	0.2	12.34	1.98	1.76	97.45
8	Cycle Track CH 210 TO 240	0.2	12.30	2.00	1.78	98.15
9	Cycle Track CH 240 TO 270	0.2	15.30	2.01	1.75	95.96
10	Cycle Track CH 2702 TO 300	0.2	14.61	2.00	1.75	95.93

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

******End of report******

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bgm, Bangalore-92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru – 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 – 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 11.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-11 to HL-15	**Report No:**	VTPL/LAB/2022-23/FDD/HL-03
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	10.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
11	Cycle Track CH 300 TO 330	0.2	12.88	1.99	1.76	96.73
12	Cycle Track CH 330 TO 360	0.2	13.79	1.98	1.74	95.63
13	Cycle Track CH 360 TO 390	0.2	12.21	2.00	1.78	97.74
14	Cycle Track CH 390 TO 420	0.2	13.40	1.98	1.74	95.72
15	Cycle Track CH 420 TO 450	0.2	13.09	2.01	1.78	97.55

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

Asst. Executive Engineer
Project Division
Yelahanka Zone, NH-7 Road
Bangalore-92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 16.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-16 to HL-20	**Report No:**	VTPL/LAB/2022-23/FDD/HL-04
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	15.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
16	Cycle Track CH 450 TO 480	0.2	17.53	2.00	1.70	93.27
17	Cycle Track CH 480 TO 510	0.2	14.91	2.00	1.74	95.86
18	Cycle Track CH 510 TO 540	0.2	12.62	1.99	1.77	97.29
19	Cycle Track CH 540 TO 570	0.2	14.68	1.99	1.73	95.31
20	Cycle Track CH 570 TO 600	0.2	12.42	2.01	1.79	98.47

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

******End of report******

Asst. Executive Engineer
Project Division
BRHP Corporation 92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthlimos@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 19.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-21 to HL-25	**Report No:**	VTPL/LAB/2022-23/FDD/HL-05
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	18.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
21	Cycle Track CH 600 TO 630	0.2	13.54	1.98	1.74	95.75
22	Cycle Track CH 630 TO 660	0.2	12.89	1.99	1.76	96.96
23	Cycle Track CH 660 TO 690	0.2	12.85	1.98	1.76	96.47
24	Cycle Track CH 690 TO 720	0.2	12.55	2.00	1.78	97.88
25	Cycle Track CH 720 TO 750	0.2	14.36	1.99	1.74	95.43

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

******End of report******

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BENGALURU-92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9663681113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 23.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-26 to HL-30	**Report No:**	VTPL/LAB/2022-23/FDD/HL-06
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	22.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
26	Cycle Track CH 750 TO 780	0.2	13.38	1.99	1.76	96.50
27	Cycle Track CH 780 TO 810	0.2	13.68	2.01	1.76	96.95
28	Cycle Track CH 810 TO 840	0.2	13.75	1.99	1.75	95.94
29	Cycle Track CH 840 TO 870	0.2	12.52	2.00	1.78	97.76
30	Cycle Track CH 870 TO 900	0.2	12.75	1.99	1.76	96.85

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

****End of report****

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

For Vimos Technocrats Pvt Ltd
S. Md. Sajid Ali
Quality Manager

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 083. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113, Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 29.11.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-30 to HL-35	**Report No:**	VTPL/LAB/2022-23/FDD/HL-07
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	28.11.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
31	Cycle Track CH 900 TO 930	0.2	13.23	2.01	1.78	97.62
32	Cycle Track CH 930 TO 960	0.2	13.91	2.00	1.76	96.52
33	Cycle Track CH 960 TO 990	0.2	12.13	1.99	1.77	97.52
34	Cycle Track CH 990 TO 1020	0.2	13.06	2.00	1.77	97.29
35	Cycle Track CH 1020 TO 1050	0.2	14.16	1.99	1.74	95.60

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

VIMOS TECHNOCRATS PVT. LTD. * BENGALURU *

******End of report******

For Vimos Technocrats Pvt Ltd

S. Md. Saiid Ali
Quality Manager

Asst. Executive Engineer
Project Division
Yelahanka Zone - 92
BBMP Bangalore

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 06.12.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-36 to HL-40	**Report No:**	VTPL/LAB/2022-23/FDD/HL-08
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	05.12.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
36	Cycle Track CH 1050 TO 1080	0.2	12.57	2.00	1.78	97.72
37	Cycle Track CH 1080 TO 1110	0.2	12.49	1.99	1.77	97.26
38	Cycle Track CH 1110 TO 1140	0.2	13.51	1.98	1.74	95.67
39	Cycle Track CH 1140 TO 1170	0.2	12.53	2.00	1.77	97.46
40	Cycle Track CH 1170 TO 1200	0.2	12.86	1.99	1.76	96.89

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

For Vimos Technocrats Pvt Ltd

S. Md. Sajid Ali
Quality Manager

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

Asst. Executive Engineer
Project Division
Yelahanka Zone - 92
BBMP, Bangalore

****End of report****

43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru - 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 - 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner

VIMOS TECHNOCRATS PVT LTD
(NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017 (TC-9120)
(AN ISO 9001 : 2015 Certified Company)

Report Date: 13.12.2022

FIELD DENSITY TEST CONDUCTED ON THE SOIL LAYER BY CORE CUTTER METHOD

Sample Number	HL-41 to HL-45	**Report No:**	VTPL/LAB/2022-23/FDD/HL-09
Client Name& Address:	Office of Executive Engineer, Project Division, Yelahanka Zone,NH-7 Road Bangalore-92	**Test conducted by:**	Site Engineer
		Date of testing:	12.12.2022
Name of Work:	Comprehensive Development Of Harohalli Lake In Chowdeshwari Ward No-2	**Technical Reference:**	IS:2720 (Part-29) IS: 2720 (Part-02)
		Work order no:	EE (Project) Ynk Zone/WO/023/2022-23
Project Location:	Harohalli Lake	**Colour of sample**	Reddish Brown

Max Dry Density of Soil Sample: 1.82 g/cc

Sl. No	Location & Chainage(m)	Depth (m)	Water Content (%)	Bulk Density g/cc	Dry Density g/cc	% Compaction
41	Cycle Track CH 1200 TO 1230	0.2	12.97	1.98	1.75	96.13
42	Cycle Track CH 1230 TO 1260	0.2	14.71	1.99	1.73	95.14
43	Cycle Track CH 1260 TO 1290	0.2	14.98	1.99	1.73	95.29
44	Cycle Track CH 1290 TO 1320	0.2	13.60	1.99	1.75	96.31
45	Cycle Track CH 1320 TO 1350	0.2	12.49	1.98	1.76	96.69

The Results relate only to the Items tested.

Statement of conformity: As per the client requirement the minimum achieved compaction percentage is should be 95%. The tested samples is achieved the desired percentage of compaction. Hence it is found satisfactory.

For Vimos Technocrats Pvt Ltd

S. Md. Sajid Ali
Quality Manager

VIMOS TECHNOCRATS PVT. LTD. BANGALORE

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

******End of report******

#43, VIMOS House, 2nd Cross, Cauvery Layout, Hennur Bagalur Main Road, Hennur Bande, Bengaluru – 560 043. Land Mark Behind Udupi Utsav Hotel.
Tel : 080 – 2543 7770 Mobile : 9686691113 Website : www.vimostec.in
Email : younus.pervez@gmail.com / earthclinic@vimostec.in / admin@vimostec.in

Scanned by TapScanner